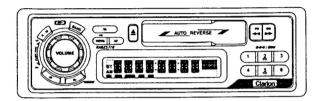
Clarion (Malaysia) Sdn. Bhd. Phase 3, Free Trade Zone One, 11900 Bay: Tel: (60) 4-6439-106, Fax: (60) 4-6439-108 Clarion Co. Ltd.

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Published by Clarion (Malaysia) 298-5734-00 APR. 1999 P Printed In Malaysia

# **Service Manual**



RDS-FON/FM/MW/LW Radio Cassette Combination

Model RAB2571R

(PE-1641E-A/illumination: Amber)

(PE-1641E-B/illumination: Green)

#### SPECIFICATIONS

#### Radio section

Tuning system:

Receiving frequencies:

PLL synthesizer tuner FM 87.5 to 108MHz MW 531 to 1,602kHz LW 153 to 279kHz

#### Tape deck section

Wow & Flutter (WRMS):

0.1%

Channel Separation (1kHz):

Frequency response (± 3dB):

45dB

Signal to noise ratio:

120µs(normal) 52dB 120µs(normal) 30Hz

to 16kHz

#### General

Power supply voltage:

DC 14.4V (10.8 to

Current consumption:

Speaker impedance:

15.6V allowable)

Less than 10A 4Ω (4Ω to 8Ω

allowable)

Dimensions (mm):

W 178 x H 50 x D 152

Weight:

1.3kg (2.87lb)

#### NOTE

1. We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not men tioned in service manual are not supplied.

#### FEATURES

- 1. Electronic quartz-locked PLL tuning
- 2. AM/FM bands 1 AM, 3 FM
- 3. Electronic audio controls (volume/bass/treble/ balance/fader)
- 4. 120W (30W x 4ch) maximum power output
- 5. DIN chassis with detachable control panel

#### COMPONENTS

PE-1641E-A (AMBER) **PE-1641E-B (GREEN)** 

Main unit		1
Mounting bracket	300-7742-20	1
DCP case	335-5734-20	1
Parts bag		
Removal Key	331-2497-20	2
Screw	716-0726-01	1
Spacer	345-3653-01	1

Specification and design are subject to change without notice for further improvement.

# ■ To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

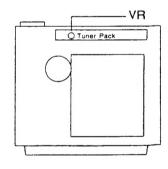
- 1. Use specified parts.
  - The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.
  - The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.
- 2. Place the parts and wiring back in their original positions after replacement or re-wiring.
  - For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.

If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

- 3. Check for safety after repair.
  - Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary problems around the repaired spots.
  - If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
- 4. Caution in removal and making wiring connection to the parts for the automobile.
  - Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
- 5. Cautions regarding chips.
  - Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.
- 6. Cautions in handling flexible PWB. Before working with a soldering iron, make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.
- Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

#### ADJUSTMENT

Item	Procedure	Instrument		
RDS S-Meter	1. Input the 98.1MHz/30dB (400Hz, 75kHz DEV, AF88%) signal and modulation OFF.	-SSG -Multiplex Signal Generator -Millivoltmeter		
	Adjust VR on top of the tuner so that the output level at the TP (S-Meter) on main PWB is 3.0± 0.1V	Williavoldfletel		



Top side of main unit

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RABZ571R

# EXPLANATION OF IC

■ µPD17708GC-543-3B9
RDS Master Micro computer

052-1910-10

#### Outward Form

80 pins, plastic QFP

Terminal Description

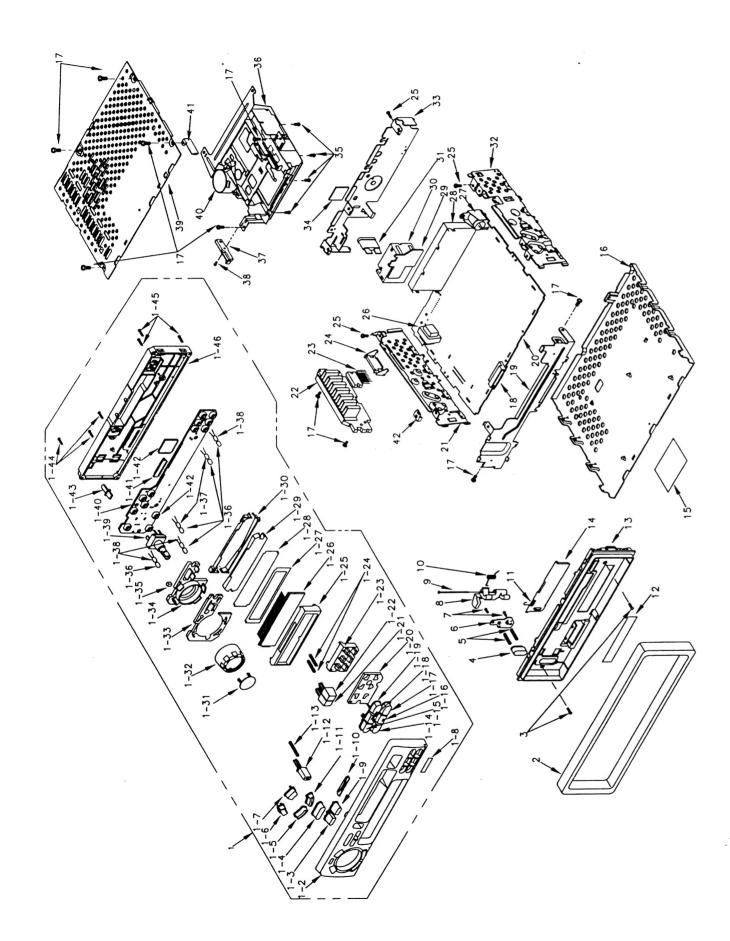
Pin N	o Symbol	1/0	Vicination
1	B/U DET	-	
2	KEY INT		B/U Line Detection
3			POWER key input
4	N/C	+.	Not in use
	E3861/E3860	1	Switching port : LO
5	FM ONLY	1	Switching port : LO
6	SOFT MUTE OFF	0	Output for Tuner Soft Mute
7	N/C		Not in use
8	RDS DX/LO	0	During RDS seek LOCAL=LOW
9	SYS MUTE	0	Audio muting Active HI
10	PHONE INT	1	GND
11	TAPE IN	1	Tape Input detection , Active Low
12	FWD/REV	I	Tape mode: FWD=LO, REW=HI
13	FF/REW	1	Tape FF/REW LCD indication, Active LOW
14	MOTOR	0	Power supply +5V for tape- motor switching circuit, Active HI
15	FM DX/LO	0	DX/LOCAL Control port, during LOCAL Active HI
16	RDS MUTE	0	RDS mute output terminal
17	REM+B	0	Audio system voltage supply controller
18	REM+5	0	Power supply control terminal of microcomputer pull up and LCD driver
19	FM CNT	0	FM tuner Voltage supply controller terminal, Active LO
20	AM CNT	0	AM tuner voltage supply controller terminal, Active LO
21	GND		μ-COM GND
22	KEY AD		DCP SW detection port (A/D) P ON - P OFF - P ON voltage drop from 4V - 0V in average
23	RDS S-METER	1	RDS S-METER voltage detection terminal
24	RDS NOISE1	1	RDS noise level detection terminal
25	RDS NOISE2	1	GND
26	FM SD	1	FM Station Detector port
27	AM SD	1	AM Station Detector port
	IF AM	1	AM IF Count
	IF FM	1	FM IF Count
30	VDD		VDD
	FM OSC	$\neg \neg$	FM Oscillation line
32	AM OSC		AM Oscillation line
33	GND		GND
34	ER OUT0	_	FM VT voltage controller
		$\rightarrow$	
35	ER OUT1	0	AM VT voltage controller

Pin No	Symbol	1/0	Function
37	L/M	0	LW / MW switching terminal
38	STIND	1	LW Active HI and MW Active LC FM ST indicator input terminal LO for light up. Light off in other mode and SEEK
39	RDS DISCHG	0	RDS Noise clear
40	BEEP	0	Not in use
41	N/C		Not in use
42	RDS CLK	1	RDS Clock input terminal
43	IF REQ	0	During SEEK mode, terminal Active HI
44	AM DX/LO	0	AM DX/LO control terminal, LOCAL = HI
45	RDS DATA	1	Data input from RDS decoder
47		1-	GND
48		1-	GND
49		-	GND
50		-	GND
51		-	GND
52		1-	GND
53		-	GND
54		-	GND
55		-	GND
56		1-	GND
57		-	GND
58		-	GND
59	N/C	-	Not in use
60	N/C	-	Not in use
61	N/C	-	Not in use
62	LCD CE	0	LCD IC driver enable port
63	VOL DO	0	Interactive data with electronic volume control IC
64	VOL CLK	0	Clock for E-Vol
65	LCD CLK	0	Clock for LCD driver
66 I	LCD DO	0	Data output to LCD driver
67	LCD DI	1	Data input from LCD diver
68		-	GND
69		-	GND
70		-	GND
71		- 1	GND
72		-1	GND
73		-	GND
74 V	/ REG1		GND terminal for A/D cove rter
75 (	SND1		μ-COM GND
76 X	Cout		4.5MHz terminal for crysal
	(in	$\overline{}$	oscillator
78 C	E		u-COM enable +5V terminal
79 V	'DD		+5V voltage supply termnal
80 A	ESET		Reset input terminal

Note: This is selected at initial retail setting.

## ■ EXPLODED VIEW • PART LIST

Main Section



NO.	PART NO.	DESCRIPTION	Q'TY
1	DCP-173-700	DCP-ASSY (PE-1641E-B)	1
1	DCP-174-700	DCP-ASSY(PE-1641E-A)	1
1-2	370-5821-00	ESCUTCHEON (FRONT)	1
1-3	382-5401-00	BUTTON (NEWS)	1
1-4	382-5400-00	BUTTON (TA)	1
1-5	3335-5403-00	BUTTON (SCAN REW)	1
1-6	382-5404-00	BUTTON (AM)	1
1-7	382-5405-00	BUTTON (BAND)	1
1-8	378-0521-00	BADGE (DCP)	1
1-9	382-5399-00	BUTTON (AF)	1
1-10	335-5856-20	DOOR ILLUMI	1
1-11	382-5402-00	BUTTON (SCAN FF)	1
1-12	382-4460-20	BUTTON (EJECT)	1
1-13	750-3171-01	SPRING (EJECT)	1
1-14	382-5409-00	BUTTON (4)	1
1-15	382-5406-00	BUTTON (1)	1
1-16	382-5410-00	BUTTON (5)	1
1-17	382-5411-00	BUTTON (6)	1
1-18	382-5407-00	BUTTON (2)	1
1-19	382-5408-00	BUTTON (3)	1
1-20	345-8247-00	SPONGE (RIGHT)	1
1-21	382-4462-20	BUTTON (REW)	1
1-22	382-4461-20	BUTTON (FF)	1
1-23	335-6017-00	ILLUMI PLATE (RIGHT)	1
1-24	750-3138-01	SPRING (FF/REW)	1
1-25	331-2611-20	LCD COVER	1
1-26	379-1066-41	INDICATOR	1
1-27	347-5366-20	FILM	1
1-28	347-5365-20	SHADE	1
1-29	335-5308-20	ILLUMI (LCD)	1
1-30	335-5309-21	LCD HOLDER	1
1-31	335-6018-00	KNOB BADGE	1
1-32	380-5447-00	KNOB (VR)	1
1-33	345-8246-00	SPONGE (LEFT)	1
1-34	335-6016-00	ILLUMI PLATE (LEFT)	1
1-35	345-8339-00	SPONGE	1
1-36	345-4441-58	LAMP CAP (AMBER) (PE-1641E-A)	5
1-36	345-2830-20	LAMP CAP (GREEN) (PE-1641E-B)	5
1-37	017-0441-00	PILOT LAMP	2
1-38	017-0410-00	PILOT LAMP	3
1-39	016-9900-63	VR SWITCH	1
1-40	039-1425-00	SWITCH PWB	
. 40	1425-00	(WITHOUT COMPONENT)	1
1-41	076-0522-00	PLUG	1
1-42	013-6002-50	TACT SWITCH	13
1-43	382-5173-00	BUTTON (RELEASE)	2

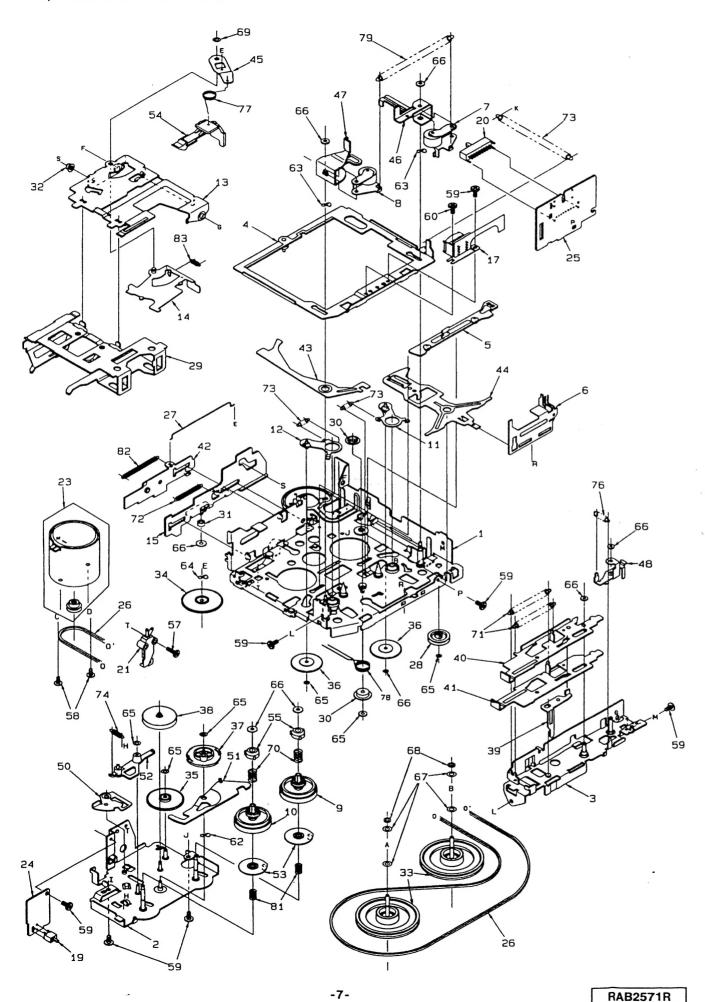
	NO.	PART NO.	DESCRIPTION	Q'TY
1	1-44	716-1721-00	P-TIGHT SCREW	6
1	1-45	335-6015-00	REAR COVER	1
٦	2	370-9006-25	ESCUTCHEON (OUTER)	1
	3	716-1792-00	M/C SCREW ·	2
	4	382-4078-20	BUTTON (PUSH-OUT)	1
	5	750-3173-00	SPRING (DCP OUT)	2
1	6	331-0588-30	SPRING HOLDER	1
1	7	716-0778-00	WAVE SCREW	2
	8	335-5853-00	ноок	1
1	9	341-1627-20	SHAFT	1
1	10	750-3174-00	SPRING	1
	11	750-3343-20	SPRING (DOOR)	1
	12	291-0074-00	STICKER (SECURITY)	1
	13	370-5779-00	INNER-ES	1
	14	320-0526-70	DUST PROOF CVR	1
	15	286-9132-00	SETPLATE	1
1	16	304-0460-20	LOWER COVER	1
1	17	731-3006-80	TAP TIGHT	10
	18	074-1112-00	OUTLET SOCKET	1
	19	309-0723-20	FRONT PLATE	1
	20	039-1385-00	MAIN PWB	4
			(WITHOUT COMPONENT)	1
	21	305-0274-20	SIDE COVER (LEFT)	1.
	22	313-1751-20	HEAT SINK	1
	23	051-2013-00	IC (POWER)	1
	24	331-2255-30	IC HOLDER	1
1	25	714-3006-81	M/C SCREW	3
1	26	009-9006-60	CHOKE	1
1	27	092-9000-00	ANT RECEPT	1
1	28	880-2080B	TUNER BLOCK	1
	29	039-1383-00	ISO PWB	1
1			(WITHOUT COMPONENT)	
1	30	074-1115-00	OUTLET SOCKET (ISO)	1
1	31	060-0057-56	AUTO FUSE (10A)	1
1	32	305-0275-20	SIDE COVER (RIGHT)	1
1	33	307-0628-20	REAR PLATE	1
1	34	347-5943-20	SHADE	1
1	35	714-3004-81	M/C SCREW	4
-	36	331-2610-20	MECH-BRKT	1
-	37	335-5299-21	SPACER (EJECT)	1
-	38	714-2604-81	M/C SCREW (EJECT)	1
	39	303-0472-20	UPPER COVER	1
-	40	930-0726-80	TAPE-MECH	1
-	41	331-2744-00	STOPPER	1
-	42	331-2648-20	SPACER	1
1				

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## ■ EXPLODED VIEW • PARTS LIST

Tape mechanism section: 930-0726-80



NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	960-4421-00	DECK ASSY	1	41	630-2516-00	REW LEVER-DCP	1
2	930-4424-00	BOTTOM ASSY	1	42	630-2754-00	EJECT LEVER-DCP	1
3	960-4182-04	FRAME ASSY	1	43	630-2499-01	CHANGE LEVER	1
4	960-4423-00	HEAD-P-ASSY	1	44	630-2501-02	CHANGE PLATE	1
5	960-4186-02	FF-REW-ASSY	1	45	630-2419-02	SWING ARM	1
6	960-4427-00	HEAD-SW-ASSY	1	46	630-2505-02	FF-REW-LINK	1
7	960-4188-03	ROLLER ASSY F	1	· 47	630-2506-05	RELEASE LINK	1
8	960-4189-03	ROLLER ASSY R	1	48	630-2507-04	LOCK LINK	1
9	960-4190-09	REEL ASSY F	1	50	630-2529-02	MUTE PLATE	1
10	960-4191-09	REEL ASSY R	1	51	631-1958-05	CHECK LINK	1
11	960-4192-02	IDLER ASSY F	1	52	631-1959-01	CHANGE LINK	1
12	960-4193-02	IDLER ASSY R	1	53	631-1961-03	CHECK PLATE	2
13	960-4422-00	GUIDE ARM ASSY	1	54	631-0658-01	PACK STOPPER	1
14	960-4141-04	OFF ARM ASSY	1	55	631-1967-00	SLIDE BUSH	2
15	960-4425-00	EJECT P-ASSY	1	57	714-2008-81	MACHINE SCREW	1
17	011-0313-15	HEAD	1	58	716-0484-02	SCREW	2
19	013-3906-00	SWITCH	1	59	716-1471-00	S-TIGHT	7
20	013-3922-00	SWITCH	1	60	716-1473-01	HEAD SCREW	1
21	013-3924-00	SWITCH	1	62	745-0752-00	PLATE SPRING	1
23	SMA-141-100	DC MOTOR ASSY	1	63	745-0756-00	SPRING WASHER	2
24	039-0726-00	PWB		64	746-0712-03	WASHER	1
		(WITHOUT COMPONENT)	1	65	746-0724-00	WASHER	6
25	099-9669-00	PWB		66	746-0768-00	WASHER	8
		(WITHOUT COMPONENT)	1	67	746-083,9-00	CAPSTAN WASHER	4
26	602-0115-00	BELT	`. 1	68	746-0869-00	WASHER	2
27	750-2860-01	ROD SPRING	1	69	746-0622-01	WASHER	1
28	604-0042-01	TENSION PULLEY	1	70	750-2564-01	SLIDE SPRING	2
. 29	606-0100-05	PACK GUIDE	1	71	750-2904-02	FF-REW SPRING	2
30	610-0334-01	HEAD ROLLER B	1	72	750-2858-01	EJECT P-SPRING	1
31	610-0363-00	EJECT P-ROLLER	1	73	750-2906-00	IDLER SPRING	2
32	610-0337-00	GUIDE A-ROLLER	1	74	750-2907-03	CHANGE L-SPRING	1
33	611-0090-04	FLYWHEEL	2	75	750-2908-02	HEAD SPRING	1
34	613-0272-10	GEAR A	1	76	750-2909-04	ROD SPRING	1
35	613-0273-02	GEAR B	1	77	750-2861-01	SLOT-IN SPRING	1
36	613-0274-02	IDLER GEAR	2	78	750-2911-01	HOLDING SPRING	1
37	613-0275-03	CHANGE GEAR	1	79	750-2912-01	PINCH SPRING	1
38	613-0277-02	CHECK GEAR	1	81	750-2919-03	CHECK SPRING-R	2
39	630-2488-02	SELECT LEVER	1	82	750-2857-02	EJECT L-SPRING	1
40	630-2715-00	FF LEVER-DCP	1	83	750-2859-00	OFF ARM SPRING	1

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# ■ ELECTRICAL PARTS LIST

Main PWB Section (B1)

Note: Several different parts of the same reference number are alternative parts. One of those parts is used in the set.

REF NO			* D Ocotion (	/	One of those parts is										
C   102   178-1042-05   0.1µF   C   607   182-4763-33   16V-47µF   D   725   001-0466-00   S5688B   178-3732-05   0.033µF   C   609   182-334-65   0.027µF   D   726   001-0466-00   S5688B   182-334-65   0.027µF   D   728   001-0466-00   S5688B   182-235-62   S00-22µF   D   728   S00-042µF   D   728   S00	Ī	REF No.	PART No.	DESCRIPTION	RE	F No.	PART No.	DESCRIPTION		REF	No.	PART No.	DESCRIPTION		
C   102   178-1042-05   0.1µF   C   607   182-4763-33   16V-47µF   D   725   101-0466-00   \$56868   178-2732-05   0.027µF   C   609   182-1073-13   63V-100µF   D   726   001-0466-00   \$56868   C   109   178-3332-05   0.033µF   C   610   182-3343-45   50V-033µF   C   611   178-4732-05   50V-033µF   C   611   178-273-05   50		C 101	176-1801-00	18pF CH	С	606	178-2732-05	0.027µF	١	D	724	001-0466-00	S5688B		
C   108   183-1053-02   507-1µF   C   608   178-2732-05   0.027µF   G   0.074µF   C   0.0747µF	- 1		1	0.1µF	С	607	182-4763-33	16V-47µF	۱	D	725	001-0466-00	S5688B		
C	- 1		183-1053-62	50V-1µF	C	608	178-2732-05	0.027µF	١	D	726	001-0466-00	S5688B		
C   101   178-3932-05   0.034pr			178-3332-05	0.033µF	С	609	182-1073-13	6.3V-100µF	١	D	727	001-0466-00	S5688B		
C   110   178-4732-05   0.047µF   C   C   111   178-4732-05   0.047µF   C   C   113   178-1732-05   0.047µF   C   C   131   182-2253-62   16V-10µF   C   C   131   182-2253-62   16V-10µF   C   C   131   182-2253-62   16V-10µF   C   C   131   178-2232-05   0.022µF   C   C   615   182-4733-82   50V-22µF   C   C   616   182-4733-82   50V-22µF   C   C   C   C   C   C   C   C   C	- 1		178-3332-05	0.033µF	C	610	182-3343-62	50V-0.33µF	١	D	728	001-0466-00	S5688B		
C 114 182-223-62 50V-2.2µF	- 6		178-4732-05	0.047µF	C	611	178-4732-05	0.047µF	1	IC	201	052-1910-10	μPD17708GC		
C 114 183-2253-02 50V-2.2µF			178-1042-05	0.1µF	C	612	182-1063-32	16V-10µF	1	IC	301	051-5823-00	LC72723M		
C 119 178-2732-05   0.022µF   C 616 182-4753-22   35V-4.7µF   C 617 197-1022-05   1000pF   C 620 182-2263-32   16V-20µF   C 619 182-4753-25   5600pF   C 140 178-6032-05   5010µF   C 621 178-5622-05   5600pF   C 140 178-1022-05   1000µF   C 622 178-5632-05   0.058µF   C 141 178-1022-05   1000µF   C 623 178-5622-05   0.058µF   C 141 178-1022-05   1000µF   C 623 178-5622-05   0.058µF   C 141 178-1022-05   1000µF   C 623 178-5622-05   0.058µF   C 141 178-1022-05   1000µF   C 623 182-1063-32   16V-10µF   C 623 178-5622-05   0.058µF   C 141 178-1022-05   1000µF   C 625 182-1063-32   16V-10µF   C 625 182-2053-32   16V-10µF   C 625 182-2053-25   16V-10µF   C 625 182-2073-25   16V-1			183-2253-62	50V-2.2μF	C	613	182-2253-62	50V-2.2μF	١	IC	401	051-0350-55	NJM4558M		
C 119   178-223-05   0.022µF   C 619   182-4763-12   6.3V-47µF   C 701   051-2013-00   TDA7385   C 133   176-5098-00   5pF CH   C 621   178-5622-05   5600pF   L 100   101-2330-17   5.6µH   L 101   101-2330-18   220µH   L 101   101-2330-18   220µH	-	C 115	178-5622-05	5600pF	C	615	176-5601-00	56pF CH	١	IC	402	051-5008-00	M62419FP		
C   12    178-1022-05   1000pF   C   620   182-2263-32   16V-22µF   L   101   101-2330-17   5.6µH   C   131   178-1032-05   1000µF   C   621   178-5632-05   0.056µF   L   103   101-2330-30   220µH   C   141   178-1022-05   1000µF   C   622   178-5632-05   0.056µF   L   103   101-2330-30   220µH   C   141   178-1022-01-00   22pF CH   C   625   182-1063-32   16V-10µF   L   501   1002-2300-80   220µH   C   621   178-5632-05   0.056µF   L   103   101-2330-30   0.22µH   C   102-2458-00   2502458   C   202   176-2201-00   22pF CH   C   625   182-1063-32   16V-10µF   L   501   1002-2458-00   2502458   C   202   178-5021-00   0.00pF CH   C   628   176-5601-00   56pF CH   C   0.00pF CH   C   630   182-2753-22   55V-7µF   C   103   102-2458-00   2502458   C   202   178-1011-00   100pF CH   C   631   182-2263-32   16V-22µF   C   103   102-311-00   2503113   C   205   176-1011-00   100pF CH   C   631   182-2263-32   16V-22µF   C   0.00pF CH   C   631   182-2263-32   16V-10µF   C   0.00pF CH   C   631   182-2463-05   1600µF		C 116	178-2732-05	0.027µF	C	616	182-4753-52	35V-4.7µF	١	IC	601	051-0272-00	LA3161		
C   139   176-5096-00   5pF CH   C   621   178-5622-05   5600pF   L   102   101-2330-36   220µH	1	C 119	178-2232-05	0.022µF	C	619	182-4763-12	6.3V-47µF	١	IC					
C 144   178-1032-05   0.01µF   C 622   178-6832-05   0.056µF   L 203   010-2330-06   0.22µH   C 148   178-1007-00   100pF CH   C 624   182-1063-32   16V-10µF   L 501   009-9008-60   CHOKE   C 201   176-2201-00   22pF CH   C 625   182-1063-32   16V-10µF   L 501   009-9008-60   CHOKE   C 202   176-62201-00   02pF CH   C 626   182-225-62   50V-22µF   C 102   102-2458-00   2SC2458   C 203   176-1011-00   100pF CH   C 628   182-225-62   50V-22µF   C 102   102-2458-00   2SC2458   C 203   176-1011-00   100pF CH   C 628   182-225-62   50V-22µF   C 103   102-311-300   2SC3113   C 205   176-1011-00   100pF CH   C 631   182-2283-32   16V-22µF   C 103   102-311-300   2SC3113   C 206   176-1011-00   100pF CH   C 631   182-2283-32   16V-22µF   C 103   102-311-300   2SC3113   C 206   176-1011-00   100pF CH   C 631   182-2263-65   5600pF   C 304   125-0003-02   SC3113   C 206   176-1011-00   100pF CH   C 631   182-263-50   5600pF   C 304   125-0003-02   SC3113   C 206   176-1011-00   100pF CH   C 631   182-468-12   6500pF   C 304   125-0003-02   SC311048   C 217   176-1011-00   100pF CH   C 631   182-468-12   6500pF   C 304   125-2003-02   SC311048   C 218   176-1011-00   100pF CH   C 631   182-468-33   16V-10µF   C 304   125-2003-02   SC311048   C 218   176-1011-00   100pF CH   C 631   182-468-33   16V-10µF   C 304   125-2003-02   SC311048   C 218   176-1011-00   100pF CH   C 631   182-468-33   16V-10µF   C 304   125-2003-02   SC311048   C 218   176-1011-00   100pF CH   C 631   182-468-33   16V-10µF   C 304   125-2003-02   SC311048   C 218   176-1011-00   100pF CH   C 631   182-468-33   16V-10µF   C 304   125-2003-02   SC311048   C 218   176-1011-00   100pF CH   C 631   182-468-33   16V-10µF   C 304   125-2003-02   SC311048   C 218   176-1011-00   100pF CH   C 701   171-1042-06   0.1µF   C 304   100-1048-00   2541048   C 218   176-1011-00   100pF CH   C 701   171-1042-06   0.1µF   C 304   100-1048-00   2541048   C 219   176-1011-30   100pF CH   C 701   171-1042-06   0.1µF   C 304   100-1048-00   2541048   C 210   176-1011-30		C 122	178-1022-05	1000pF	C	620	182-2263-32	' '	١	L					
C		C 139	176-5096-00	5pF CH	1			5600pF	1	L					
C   148   176-1007-00   10pF CH   C   624   182-1063-32   16V-10pF   C   101   100-9006-60   C   C   C   C   C   C   C   C   C		C 140	178-1032-05	0.01µF	1				١	L					
C 201 176-2201-00 22pF CH	1	C 141						' '	-1						
C         202         176-2201-00         22pF CH         C         628         182-2253-82         50V-2.pF         Q         102         102-2458-00         2SC2458         2SC2458           C         203         176-1011-00         100pF CH         C         630         182-2753-52         35V-4.7µF         Q         104         102-3113-00         2SC3113           C         205         176-1011-00         100pF CH         C         631         182-2253-35         35V-4.7µF         Q         104         102-3113-00         2SC3113           C         206         176-1011-00         100pF CH         C         631         188-582-05         5600pF         Q         304         125-0003-02         RN2202           C         207         178-1042-05         0.1µF         C         634         178-5822-05         5600pF         Q         304         125-0003-02         RN2202           C         208         176-1011-00         100pF CH         C         635         182-1063-32         16V-10µF         Q         404         125-0003-02         RN2202           C         218         176-1011-00         100pF CH         C         635         182-1073-13         6.3V-10µF         <			1	1 ' 1	1				- 1						
C         203         176-1011-00         100pF CH         C         628 176-5011-00         100pF CH         C         630 182-4753-52         35V-4.7µF         Q         103 102-3113-00         2SC3113           C         206 176-1011-00         100pF CH         C         631 182-2263-32         16V-22µF         Q         301 125-0003-02         RN2202           C         206 176-1011-00         100pF CH         C         631 182-2263-32         16V-22µF         Q         302 193-1504-00         2SC3113           C         206 176-1011-00         100pF CH         C         633 178-5632-05         5600pF         Q         302 193-1504-00         2SD1504           C         208 178-1032-05         0.01µF         C         634 178-5622-05         5600pF         Q         401 100-1048-00         2SA1048           C         212 182-2273-22         10V-220µF         C         638 182-4763-32         16V-10µF         Q         402 100-1048-00         2SA1048           C         221 178-1042-05         0.01µF         C         638 182-4763-32         16V-10µF         Q         501 100-1048-00         2SA1048           C         221 178-1042-05         0.1µF         C         703 171-1042-06         0.1µF         Q         5			1	1 ' 1					- 1						
C         20¢         178-1011-00         100pF CH         C         630         182-2753-52         35V-4.7μF         Q         104         102-3113-00         28C3113           C         206         176-1011-00         100pF CH         C         631         182-2263-32         16V-22µF         Q         301         125-0003-02         RN2202           C         207         178-1042-05         0.1µF         C         633         178-5632-05         0.056µF         Q         304         125-0003-02         RN2202           C         209         176-1011-00         100pF CH         C         633         178-5622-05         5600pF         Q         401         100-1048-00         2SA1048           C         217         176-1011-00         100pF CH         C         638         182-4763-33         16V-47µF         Q         404         125-2003-02         RN102           C         218         176-1011-00         100pF CH         C         639         182-1073-13         6.3V-10µF         Q         501         100-1048-00         2SA1048           C         218         176-1011-00         100pF CH         C         638         182-1073-13         6.3V-47µF         Q         50			176-2201-00	1 ' 1					- 1						
C         205         175-1011-00         100pF CH         C         631         182-2263-32         18V-22µF         Q         301         125-0003-02         RN2202           C         206         176-1011-00         100pF CH         C         632         178-5632-05         5600pF         Q         302         193-1504-00         2SD1504           C         208         178-1032-05         0.01µF         C         633         182-2263-5         5600pF         Q         401         100-1048-00         2SA1048           C         212         182-2273-22         10V-220µF         C         636         182-4763-12         6.3V-47µF         Q         401         100-1048-00         2SA1048           C         217         176-1011-00         100pF CH         C         638         182-4763-12         6.3V-47µF         Q         501         100-1048-00         2SA1048           C         216         176-1011-00         100pF CH         C         638         182-4763-12         6.3V-47µF         Q         501         100-1048-00         2SA1048           C         224         178-1042-05         0.1µF         C         701         171-1042-06         0.1µF         Q         504 </td <td>- 1</td> <td></td> <td></td> <td>1 ' 1</td> <td>1</td> <td></td> <td></td> <td></td> <td>- 1</td> <td></td> <td></td> <td></td> <td></td>	- 1			1 ' 1	1				- 1						
C 206 178-1011-00 100pF CH C 632 178-5632-05 50.05pF Q 302 193-1504-00 2SD1504 C 207 178-1042-05 0.1µF C 633 178-5622-05 5500pF Q 401 100-1048-00 2SA1048 C 208 178-1011-00 100pF CH C 635 182-4763-32 16V-10µF Q 402 100-1048-00 2SA1048 R 176-1011-00 100pF CH C 638 182-4763-32 16V-10µF Q 402 100-1048-00 2SA1048 R 176-1011-00 100pF CH C 638 182-4763-33 16V-47µF Q 503 125-0003-02 R 17202 C 217 176-1011-00 100pF CH C 638 182-4763-33 16V-47µF Q 501 100-1048-00 2SA1048 R 176-1011-00 100pF CH C 638 182-4763-33 16V-47µF Q 501 100-1048-00 2SA1048 R 176-1011-00 100pF CH C 638 182-4763-33 16V-47µF Q 501 100-1048-00 2SA1048 R 176-1011-00 100pF CH C 638 182-4763-33 16V-47µF Q 501 100-1048-00 2SA1048 R 176-1011-00 100pF CH C 638 182-4763-33 16V-47µF Q 501 100-1048-00 2SA1048 R 176-1011-00 100pF CH C 703 171-1042-06 0.1µF Q 504 102-2458-00 2SC2458 R 178-3032-05 30pF C 704 171-1042-06 0.1µF Q 505 125-0003-02 R 17202 C 303 178-1042-05 0.1µF C 703 171-1042-06 0.1µF Q 505 125-0003-02 R 17202 C 303 178-5102-05 0.1µF C 705 176-1011-00 100pF CH Q 505 125-0003-02 SD1858 R 176-2201-00 22pF CH C 707 176-1011-00 100pF CH Q 501 103-1858-00 2SD1858 R 176-2201-00 22pF CH C 707 176-1011-00 100pF CH Q 512 103-1858-00 2SD1858 R 178-232-05 0.022µF C 711 183-4763-32 16V-47µF Q 515 101-1240-00 2SD1858 R 178-3312-05 30pF C 713 178-1042-05 0.1µF Q 515 101-1240-00 2SD1858 R 178-3312-05 30pF C 713 178-1042-05 0.1µF Q 515 101-1240-00 2SD1858 R 178-3312-05 500pF D 201 001-0330-00 1SS119 Q 520 125-2003-03 RN1203 RN12			1		1				-1						
C 207 178-1042-05 0.1µF	•			1 1					- 1						
C 208 178-1032-05 0.01μF									- 1						
C 209 176-1011-00 100pF CH C 635 182-1063-32 16V-10pF C 212 182-2273-22 10V-220pF C 636 182-4763-12 6.3V-47pF C 404 125-2003-02 RN1202 C 217 176-1011-00 100pF CH C 638 182-4763-33 16V-47pF C 501 182-1003-02 RN1202 C 224 178-1042-05 0.1pF C 701 171-1042-06 0.1pF C 702 171-1042-06 0.1pF C 702 171-1042-06 0.1pF C 703 171-1042-06 0.1pF C 704 171-1042-06 0.1pF C 705 178-1011-00 100pF CH C 705 178-1011-00 100p				1 ' 1	1				- 1						
C         212         182-2273-22         10V-220μF         C         686         182-4763-12         6.3V-47μF         Q         404         125-2003-02         RN1202           C         217         176-1011-00         100pF CH         C         688         182-4763-33         18V-47μF         Q         501         100-1048-00         2SA1048           C         224         178-1042-05         0.1μF         C         701         171-1042-06         0.1μF         Q         504         102-2458-00         2SC2458           C         225         178-1042-05         0.01μF         C         702         171-1042-06         0.1μF         Q         505         125-0003-02         RN2202           C         301         182-1063-32         16V-10μF         C         703         171-1042-06         0.1μF         Q         505         125-0003-02         SC2458           C         303         178-1042-05         0.1μF         C         705         176-1011-00         100pF CH         Q         507         103-1858-00         2SD1858           C         305         176-2201-00         22pF CH         C         707         176-1011-00         100pF CH         Q         513	- 1			1 ' 1	1				- 1						
C 211 776-1011-00 100pF CH	- 1								-1						
C         218         176-1011-00         100pF CH         C         639         182-1073-13         6.3V-100µF         Q         503         125-0003-02         RN2202           C         224         178-1042-05         0.1µF         C         701         171-1042-06         0.1µF         Q         504         102-2458-00         2SC2458           C         301         182-1063-32         16V-10µF         C         703         171-1042-06         0.1µF         Q         506         102-2458-00         2SC2458           C         303         178-312-05         330pF         C         704         171-1042-06         0.1µF         Q         506         102-2458-00         2SC2458           C         303         178-5612-05         560pF         C         706         176-1011-00         100pF CH         Q         508         103-1858-00         2SD1858           C         305         176-2201-00         22pF CH         C         707         176-1011-00         100pF CH         Q         512         103-1858-00         2SD1858           C         306         176-2201-00         22pF CH         C         709         183-1053-62         50V-1µF         Q         513	- 1		i		1				- 1						
C 224 178-1042-05 0.1μF				1 ' 1	1				-1						
C 225 178-1032-05 0.01μF	- 1		1	1	1				-1						
C 301 182-1063-32 16V-10µF			1	1					- 1						
C 302 178-3312-05 330pF	- 1		1		1				- 1						
C 303 178-1042-05 0.1μF	- 1				1				- 1						
C 304 178-5612-05 560pF			1	1 ' 1				' '	-1						
C 305 176-2201-00         22pF CH         C 707 176-1011-00         100pF CH         Q 513 103-1858-00         2SD1858           C 306 176-2201-00         22pF CH         C 708 176-1011-00         100pF CH         Q 514 103-1858-00         2SD1858           C 307 178-1042-05         0.1μF         C 709 183-1053-62         50V-1μF         Q 515 101-1240-00         2SB1240           C 401 184-4773-22         10V-470μF         C 710 178-1042-05         0.1μF         Q 516 125-2003-02         2RN1202           C 403 178-2232-05         0.022μF         C 711 183-4763-32         16V-47μF         Q 518 101-1240-00         2SA1048           C 406 178-3312-05         330pF         D 201 001-0330-00         1SS119         Q 518 101-1237-00         2SB1237           C 406 178-3312-05         330pF         D 201 001-0330-00         1SS119         Q 519 125-2003-03         RN1203           C 408 178-232-05         0.022μF         D 202 001-0330-00         1SS119         Q 520 125-2003-03         RN1203           C 401 178-5612-05         560pF         D 401 001-0330-00         1SS119         Q 501 125-2003-03         RN1203           C 411 178-5612-05         560pF         D 402 001-0376-35         MTZJ6.2B         Q 601 101-1240-00         2SB1240           C 413 178-232-05         0.02μF	- 1		1	1 '					- 1						
C         306         176-2201-00         22pF CH         C         708         176-1011-00         100pF CH         Q         514         103-1858-00         2SD1858           C         307         178-1042-05         0.1µF         C         709         183-1053-62         50V-1µF         Q         515         101-1240-00         2SB1240           C         401         184-4773-22         0.022µF         C         710         178-1042-05         0.1µF         Q         516         125-2003-02         RN1202           C         405         178-3312-05         330pF         C         711         183-4763-32         16V-47µF         Q         517         100-1048-00         2SA1048           C         406         178-3312-05         330pF         D         201         001-0330-00         1SS119         Q         518         101-1237-00         2SB1237           C         406         178-3312-05         560pF         D         201         001-0330-00         1SS119         Q         521         125-2003-03         RN1203           C         410         178-5612-05         560pF         D         401         001-0330-00         1SS119         Q         601         101	- 1		1		1				- 1						
C 307 178-1042-05 0.1μF	- 1			1 '				1	- 1						
C 401 184-4773-22 10V-470μF	- 1			1 ' 1					- 1		-				
C         403         178-2232-05         0.022μF         C         711         183-4763-32         16V-47μF         Q         517         100-1048-00         2SA1048           C         405         178-3312-05         330pF         D         201         01-0330-00         1SS119         Q         518         101-1237-00         2SB1237           C         406         178-3312-05         330pF         D         201         001-0330-00         1SS119         Q         520         125-2003-03         RN1203           C         409         182-1663-32         16V-10µF         D         401         001-0330-00         1SS119         Q         521         125-2003-03         RN1203           C         410         178-5612-05         560pF         D         402         001-0376-35         MTZJ6.2B         Q         601         101-1240-00         2SB1240           C         411         178-5612-05         560pF         D         501         001-0376-35         MTZJ6.2B         Q         602         125-2003-03         RN1203           C         413         178-1032-05         0.01µF         D         503         001-0376-35         MTZJ6.2B         R         101 <td< td=""><td>- 1</td><td></td><td>1</td><td></td><td>1</td><td></td><td></td><td></td><td>١</td><td>_</td><td></td><td></td><td></td></td<>	- 1		1		1				١	_					
C         405         178-3312-05         330pF         C         713         178-1042-05         0.1μF         Q         518         101-1237-00         2SB1237           C         406         178-3312-05         330pF         D         201         001-0330-00         1SS119         Q         519         125-2003-03         RN1203           C         409         182-1063-32         16V-10µF         D         401         001-0330-00         1SS119         Q         520         125-2003-03         RN1203           C         410         178-5612-05         560pF         D         402         001-0330-00         1SS119         Q         601         101-1240-00         2SB1240           C         411         178-5612-05         560pF         D         501         001-0376-35         MTZJ6.2B         Q         602         125-2003-03         RN1203           C         411         178-5612-05         560pF         D         501         001-0376-35         MTZJ6.2B         Q         602         125-2003-03         RN1203           C         412         178-232-05         0.02µF         D         502         001-0376-35         MTZJ6.2B         R         101         117-1					1				١						
C 406 178-3312-05 330pF					1				- 1						
C 408 178-2232-05 0.022μF D 202 001-0330-00 1SS119 Q 520 125-2003-03 RN1203 C 409 182-1063-32 16V-10μF D 401 001-0330-00 1SS119 Q 601 101-1240-00 2SB1240 C 411 178-5612-05 560pF D 501 001-0376-35 MTZJ6.2B Q 602 125-2003-03 RN1203 C 412 178-2232-05 0.022μF D 502 001-0376-48 MTZJ9.1C R 101 117-5631-10 1/10W 15kΩ C 501 178-1032-05 0.01μF D 503 001-0376-36 MTZJ6.2B R 104 117-1531-10 1/10W 15kΩ C 502 183-2273-22 10V-220μF D 505 001-0376-47 MTZJ9.1B R 106 117-1031-10 1/10W 10kΩ C 506 183-1063-32 16V-10μF D 508 001-0466-00 S5688B R 109 117-1031-10 1/10W 10kΩ C 508 182-1063-32 16V-10μF D 511 001-0330-00 1SS119 R 111 117-8231-10 1/10W 10kΩ C 509 182-1063-32 16V-10μF D 513 001-0330-00 1SS119 R 111 117-221-10 1/10W 10kΩ C 501 178-1033-2 16V-10μF D 513 001-0330-00 1SS119 R 111 117-221-10 1/10W 10kΩ C 501 182-1063-32 16V-10μF D 513 001-0330-00 1SS119 R 111 117-1031-10 1/10W 10kΩ C 509 182-1063-32 16V-10μF D 513 001-0330-00 1SS119 R 111 117-221-10 1/10W 10kΩ C 509 182-1063-32 16V-10μF D 513 001-0330-00 1SS119 R 111 117-221-10 1/10W 10kΩ C 501 182-1063-32 16V-10μF D 513 001-0330-00 1SS119 R 111 117-221-10 1/10W 10kΩ C 501 182-1063-32 16V-10μF D 513 001-0330-00 1SS119 R 111 117-221-10 1/10W 10kΩ C 501 182-1063-32 16V-10μF D 515 001-0330-00 1SS119 R 111 117-3311-10 1/10W 10kΩ C 501 182-1063-32 16V-10μF D 515 001-0330-00 1SS119 R 111 117-3311-10 1/10W 10kΩ C 501 182-1063-32 16V-10μF D 515 001-0330-00 1SS119 R 111 117-3311-10 1/10W 30Ω C 501 182-1063-32 16V-10μF D 518 001-0366-00 S5688B R 115 117-3311-10 1/10W 30Ω C 601 178-1822-05 1800pF D 518 001-0466-00 S5688B R 118 117-031-10 1/10W 30Ω C 602 178-1822-05 1800pF D 518 001-0466-00 S5688B R 119 111-3311-91 1/4W 30Ω C 604 182-4743-63 50V-0.47μF D 721 001-0466-00 S5688B R 119 111-3311-91 1/4W 30Ω C 604 182-4743-63 50V-0.47μF D 722 001-0466-00 S5688B R 119 111-3311-91 1/4W 30Ω C			1	1 ' 1	1				- 1						
C 409 182-1063-32 16V-10µF D 401 001-0330-00 1SS119 Q 521 125-2003-03 RN1203 2SB1240 C 410 178-5612-05 560pF D 402 001-0330-00 1SS119 Q 601 101-1240-00 2SB1240 C 411 178-5612-05 560pF D 501 001-0376-35 MTZJ6.2B Q 602 125-2003-03 RN1203 C 412 178-2232-05 0.022µF D 502 001-0376-36 MTZJ6.2B R 101 117-5631-10 1/10W 56kΩ C 501 178-1032-05 0.01µF D 503 001-0376-36 MTZJ6.2C R 103 117-1831-10 1/10W 16kΩ C 502 183-2273-22 10V-220µF D 505 001-0376-35 MTZJ6.2B R 104 117-1531-10 1/10W 16kΩ C 504 172-1041-11 0.1µF D 508 001-0466-00 S5688B R 109 117-1031-10 1/10W 10kΩ C 506 183-1063-32 16V-10µF D 511 001-0330-00 1SS119 R 110 117-1031-10 1/10W 10kΩ C 509 182-2273-22 10V-220µF D 510 001-0330-00 1SS119 R 111 117-8231-10 1/10W 10kΩ C 509 182-1063-32 16V-10µF D 513 001-0330-00 1SS119 R 111 117-8231-10 1/10W 10kΩ C 500 178-1822-05 1800pF D 518 001-0466-00 S5688B R 116 111-1031-91 1/10W 30Ω C 601 178-1822-05 1800pF D 518 001-0466-00 S5688B R 116 117-1031-10 1/10W 30Ω C 604 182-4743-63 50V-0.47µF D 722 001-0466-00 S5688B R 117 117-3311-10 1/10W 30Ω C 604 182-4743-63 50V-0.47µF D 722 001-0466-00 S5688B R 118 117-6821-10 1/10W 30Ω C 604 182-4743-63 50V-0.47µF D 722 001-0466-00 S5688B R 118 117-6821-10 1/10W 30Ω C 604 182-4743-63 50V-0.47µF D 722 001-0466-00 S5688B R 118 117-6821-10 1/10W 30Ω C 604 182-4743-63 50V-0.47µF D 722 001-0466-00 S5688B R 118 117-6821-10 1/10W 30Ω C 604 182-4743-63 50V-0.47µF D 722 001-0466-00 S5688B R 118 117-6821-10 1/10W 30Ω C 604 182-4743-63 50V-0.47µF D 722 001-0466-00 S5688B R 118 117-6821-10 1/10W 30Ω C 604 182-4743-63 50V-0.47µF D 722 001-0466-00 S5688B R 118 117-6821-10 1/10W 6.8kΩ C 604 182-4743-63 50V-0.47µF D 722 001-0466-00 S5688B R 119 111-3311-91 1/10W 30Ω C 604 182-4743-63 50V-0.47µF D 722 001-0466-00 S5688B R 119 111-3311-91 1/10W 6.8kΩ C 604 182-4743-63 50V-0.47µF D 722 001-0466-00 S5688B R 119 111-3311-91 1/10W 6.8kΩ C 604 182-4743-63 50V-0.47µF D 722 001-0466-00 S5688B R 119 111-3311-91 1/10W 6.8kΩ C 604 182-4743-63 50V-0.47µF D 722 001-0466-00 S5688B R 119 111-3311-91 1/10W 6.8kΩ C 604 18	- 1		į.	1 ' 1					- 1						
C         410         178-5612-05         560pF         D         402         001-0330-00         1SS119         Q         601         101-1240-00         2SB1240           C         411         178-5612-05         560pF         D         501         001-0376-35         MTZJ6.2B         Q         602         125-2003-03         RN1203           C         412         178-2232-05         0.02µF         D         502         001-0376-48         MTZJ9.1C         R         101         117-5631-10         1/10W 56kΩ           C         413         178-1032-05         0.01µF         D         503         001-0376-36         MTZJ6.2B         R         104         117-1531-10         1/10W 18kΩ           C         501         178-1032-05         0.01µF         D         504         001-0376-35         MTZJ6.2B         R         104         117-1531-10         1/10W 18kΩ           C         503         184-2283-32         16V-2200µF         D         505         001-0376-47         MTZJ9.1B         R         106         117-1031-10         1/10W 10kΩ           C         504         172-1041-11         0.1µF         D         507         001-0330-00         15851885A         R <t< td=""><td></td><td></td><td></td><td>1 ' 1</td><td></td><td></td><td></td><td>188119</td><td>١</td><td>Q</td><td></td><td></td><td></td></t<>				1 ' 1				188119	١	Q					
C         411         178-5612-05         560pF         D         501         001-0376-35         MTZJ6.2B         Q         602         125-2003-03         RN1203           C         412         178-2232-05         0.02μF         D         502         001-0376-48         MTZJ9.1C         R         101         117-5631-10         1/10W 56kΩ           C         413         178-1032-05         0.01μF         D         503         001-0376-35         MTZJ6.2B         R         104         117-1531-10         1/10W 16kΩ           C         502         183-2273-22         10V-220μF         D         505         001-0376-47         MTZJ9.1B         R         106         117-1031-10         1/10W 16kΩ           C         503         184-2283-32         16V-2200μF         D         507         001-0188-01         1SS1885A         R         107         117-1031-10         1/10W 16kΩ           C         504         172-1041-11         0.1μF         D         508         001-0466-00         S5688B         R         107         117-1031-10         1/10W 16kΩ           C         506         183-1063-32         16V-10μF         D         511         001-0330-00         1SS119         R			1	1	D			1	١	Q	601	101-1240-00	2SB1240		
C         412   178-2232-05   0.022μF         D         502   001-0376-48   MTZJ9.1C         R         101   117-5631-10   1/10W 56kΩ           C         413   178-1032-05   0.01μF         D         503   001-0376-36   MTZJ6.2C         R         103   117-1831-10   1/10W 18kΩ           C         501   178-1032-05   0.01μF         D         504   001-0376-35   MTZJ6.2B         R         104   117-1531-10   1/10W 18kΩ           C         502   183-2273-22   10V-220μF         D         505   001-0376-47   MTZJ9.1B         R         106   117-1031-10   1/10W 10kΩ           C         503   184-2283-32   16V-2200μF         D         507   001-0188-01   1SS1885A         R         107   117-1021-10   1/10W 10kΩ           C         504   172-1041-11   0.1μF         D         508   001-0466-00   S5688B         R         109   117-1031-10   1/10W 10kΩ           C         505   172-4731-11   0.047μF         D         510   001-0330-00   ISS119   R         R         110   117-1031-10   1/10W 10kΩ           C         506   183-1063-32   16V-10μF         D         511   001-0330-00   ISS119   R         R         111   117-8231-10   1/10W 10kΩ           C         509   182-1063-32   16V-10μF         D         513   001-0330-00   ISS119   R         R         113   117-1021-10   1/10W 10kΩ           C         509   182-1063-32   16V-10μF         D			1	1 ' 1	1			1		Q			1		
C         413         178-1032-05         0.01μF         D         503         001-0376-36         MTZJ6.2C         R         103         117-1831-10         1/10W 18kΩ           C         501         178-1032-05         0.01μF         D         504         001-0376-35         MTZJ6.2B         R         104         117-1531-10         1/10W 15kΩ           C         502         183-2273-22         10V-220μF         D         505         001-0376-47         MTZJ9.1B         R         106         117-1031-10         1/10W 10kΩ           C         503         184-2283-32         16V-2200μF         D         507         001-0188-01         1SS1885A         R         107         117-1031-10         1/10W 10kΩ           C         505         172-4731-11         0.047μF         D         510         001-0330-00         1SS119         R         110         117-1031-10         1/10W 10kΩ           C         506         183-1063-32         16V-10μF         D         511         001-0330-00         1SS119         R         111         117-1031-10         1/10W 10kΩ           C         507         182-2273-22         10V-220μF         D         512         001-0466-00         S5688B         R </td <td>- 1</td> <td></td> <td></td> <td>1 ' 1</td> <td>D</td> <td>502</td> <td>001-0376-48</td> <td>MTZJ9.1C</td> <td>١</td> <td>R</td> <td>101</td> <td>117-5631-10</td> <td>1/10W 56kΩ</td>	- 1			1 ' 1	D	502	001-0376-48	MTZJ9.1C	١	R	101	117-5631-10	1/10W 56kΩ		
C         501         178-1032-05         0.01μF         D         504         001-0376-35         MTZJ6.2B         R         104         117-1531-10         1/10W 15kΩ           C         502         183-2273-22         10V-220μF         D         505         001-0376-47         MTZJ9.1B         R         106         117-1031-10         1/10W 10kΩ           C         503         184-2283-32         16V-2200μF         D         507         001-0188-01         1SS1885A         R         107         117-1021-10         1/10W 10kΩ           C         504         172-1041-11         0.1μF         D         508         001-0466-00         S5688B         R         109         117-1031-10         1/10W 10kΩ           C         505         172-4731-11         0.047μF         D         510         001-0330-00         1SS119         R         110         117-1031-10         1/10W 10kΩ           C         506         183-1063-32         16V-10μF         D         512         001-0466-00         S5688B         R         112         117-1031-10         1/10W 10kΩ           C         509         182-1063-32         16V-10μF         D         513         001-0330-00         1SS119         R	- 1				D	503	001-0376-36	MTZJ6.2C	١	R	103	117-1831-10	1/10W 18kΩ		
C         502         183-2273-22         10V-220μF         D         505         001-0376-47         MTZJ9.1B         R         106         117-1031-10         1/10W 10kΩ           C         503         184-2283-32         16V-2200μF         D         507         001-0188-01         1SS1885A         R         107         117-1031-10         1/10W 10kΩ           C         504         172-1041-11         0.047μF         D         508         001-0466-00         S5688B         R         109         117-1031-10         1/10W 10kΩ           C         505         172-4731-11         0.047μF         D         510         001-0330-00         1SS119         R         110         117-1031-10         1/10W 10kΩ           C         506         183-1063-32         16V-10μF         D         511         001-0330-00         1SS119         R         111         117-8231-10         1/10W 10kΩ           C         508         182-1063-32         16V-10μF         D         513         001-0330-00         1SS119         R         113         117-1021-10         1/10W 10kΩ           C         509         182-1063-32         16V-10μF         D         514         001-0330-00         1SS119         R <td>- 1</td> <td></td> <td>178-1032-05</td> <td>0.01µF</td> <td>D</td> <td>504</td> <td>001-0376-35</td> <td>MTZJ6.2B</td> <td>١</td> <td>R</td> <td>104</td> <td>117-1531-10</td> <td>1/10W 15kΩ</td>	- 1		178-1032-05	0.01µF	D	504	001-0376-35	MTZJ6.2B	١	R	104	117-1531-10	1/10W 15kΩ		
C         503         184-2283-32         16V-2200μF         D         507         001-0188-01         1SS1885A         R         107         117-1021-10         1/10W 1kΩ           C         504         172-1041-11         0.047μF         D         508         001-0466-00         S5688B         R         109         117-1031-10         1/10W 10kΩ           C         506         183-1063-32         16V-10μF         D         511         001-0330-00         1SS119         R         110         117-1031-10         1/10W 10kΩ           C         507         182-2273-22         10V-220μF         D         512         001-0466-00         S5688B         R         112         117-1031-10         1/10W 10kΩ           C         508         182-1063-32         16V-10μF         D         513         001-0330-00         1SS119         R         113         117-1021-10         1/10W 10kΩ           C         509         182-1063-32         16V-10μF         D         514         001-0330-00         1SS119         R         113         117-1021-10         1/10W 10kΩ           C         510         182-1063-32         16V-10μF         D         515         001-0330-00         1SS119         R			1	1 1	D	505	001-0376-47	MTZJ9.1B	١	R	106	117-1031-10	1/10W 10kΩ		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			184-2283-32	1	D	507	001-0188-01	1SS1885A	١	R	107	117-1021-10	1/10W 1kΩ		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			172-1041-11	0.1µF	D	5Ó8	001-0466-00	S5688B	١	R	109	117-1031-10	1/10W 10kΩ		
C 507 182-2273-22 10V-220μF D 512 001-0466-00 S5688B R 112 117-1031-10 1/10W 10kΩ C 508 182-1063-32 16V-10μF D 513 001-0330-00 1SS119 R 113 117-1021-10 1/10W 1kΩ C 510 182-1063-32 16V-10μF D 515 001-0330-00 1SS119 R 114 117-2221-10 1/10W 2.2kΩ C 510 182-1063-32 16V-10μF D 515 001-0330-00 1SS119 R 115 117-3311-10 1/10W 330Ω C 601 178-1822-05 1800pF D 518 001-0466-00 S5688B R 116 111-1031-91 1/4W 10kΩ C 603 182-4743-63 50V-0.47μF D 721 001-0466-00 S5688B R 118 117-6821-10 1/10W 6.8kΩ C 604 182-4743-63 50V-0.47μF D 722 001-0466-00 S5688B R 119 111-3311-91 1/4W 330Ω			172-4731-11		D	510	001-0330-00	188119	١	R	110	117-1031-10	1/10W 10kΩ		
C 508 182-1063-32 16V-10μF D 513 001-0330-00 1SS119 R 113 117-1021-10 1/10W 1kΩ D 510 182-1063-32 16V-10μF D 515 001-0330-00 1SS119 R 114 117-2221-10 1/10W 2.2kΩ D 510 182-1063-32 16V-10μF D 515 001-0330-00 1SS119 R 115 117-3311-10 1/10W 330Ω D 518 001-0466-00 S5688B R 116 111-1031-91 1/4W 10kΩ D 601 182-4743-63 50V-0.47μF D 721 001-0466-00 S5688B R 118 117-6821-10 1/10W 6.8kΩ D 722 001-0466-00 S5688B R 119 111-3311-91 1/4W 330Ω	١	C 506	183-1063-32	16V-10µF	D	511	001-0330-00	188119	١	R	111	117-8231-10	1/10W 82kΩ		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	- 1			1 1	D	512	001-0466-00	S5688B		R	112	117-1031-10	l .		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				1 1	D	513	001-0330-00	188119		R	113	117-1021-10			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$					D	514	001-0330-00	188119		R	114	117-2221-10	1/10W 2.2kΩ		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		C 510	182-1063-32	1 '	D	515	001-0330-00	188119		R			1		
C       603       182-4743-63       50V-0.47μF       D       721       001-0466-00       S5688B       R       118       117-6821-10       1/10W 6.8kΩ         C       604       182-4743-63       50V-0.47μF       D       722       001-0466-00       S5688B       R       119       111-3311-91       1/4W 330Ω	1	C 601	178-1822-05	1800pF	D	518	001-0466-00	S5688B	- 1			l	1		
C 604 182-4743-63 50V-0.47μF D 722 001-0466-00 S5688B R 119 111-3311-91 1/4W 330Ω		C 602	178-1822-05	1800pF	D	601	001-0376-23	MTZJ4.3B	1	R		1	i .		
ο ουν 102 4740 ου ουν 0.47μι	- 1		182-4743-63	50V-0.47μF	D	721	1					1	1		
C 605   182-1073-13   6.3V-100μF   D 723   001-0466-00   S5688B   R 120   117-5631-10   1/10W 56kΩ								1 1	•			1	1		
		C 605	182-1073-13	6.3V-100µF	D	723	001-0466-00	S5688B		R	120	117-5631-10	1/10W 56kΩ		

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REF N	o. PART No.	DESCRIPTION	RE	F No.	PART No.	DESCRIPTION		REF I	lo.	PART No.	DESCRIPTION
R 13	1 117-1021-10	1/10W 1kΩ	R	506	117-2231-10	1/10W 22kΩ	I	R 6	11	117-8201-10	1/10W 82Ω
R 13	2 117-1021-10	1/10W 1kΩ	R	507	111-2291-91	1/4W 2.2Ω	ŀ	R 6	14	111-8211-81	1/2W 820Ω
R 13	8 111-2221-91	1/4W 2.2kΩ	R	508	111-2291-91	1/4W 2.2Ω	I	R 6	15	111-1031-91	1/4W 10kΩ
R 20	1 117-1031-10	1/10W 10kΩ	R	509	111-4711-91	1/4W 470Ω	ŀ	R 6	16	117-1231-10	1/10W 12kΩ
R 20	2 117-1031-10	1/10W 10kΩ	R	511	111-4731-91	1/4W 47kΩ		R 6	17	117-2721-10	1/10W 2.7kΩ
R 20	3 117-4731-10	1/10W 47kΩ	R	512	111-1031-91	1/4W 10kΩ	1	R 6	18	117-2231-10	1/10W 22kΩ
R 20	4 117-2231-10	1/10W 22kΩ	R	513	111-2291-91	1/4W 2.2Ω ·	1	R 6	21	117-1231-10	1/10W 12kΩ
R 20	5 117-1031-10	1/10W 10kΩ	R	514	111-2291-91	1/4W 2.2Ω	1	R 6	22	117-2721-10	-1/10W 2.7kΩ
R 20	6 117-1021-10	1/10W 1kΩ	R	515	111-4711-91	1/4W 470Ω	1	R 6	23	117-2231-10	1/10W 22kΩ
R 20	7 117-1031-10	1/10W 10kΩ	R	517	111-1021-91	1/4W 1kΩ	I	R 6	24	117-4731-10	1/10W 47kΩ
R 20	8 117-1031-91	1/4W 10kΩ	R	518	111-1031-91	1/4W 10kΩ	1	R 6	27	111-3311-91	1/4W 330Ω
R 20	9 117-1031-91	1/4W 10kΩ	R	521	111-1021-91	1/4W 1kΩ	1	R 6	28	117-4731-10	1/10W 47kΩ
R 30	1 117-1021-10	1/10W 1kΩ	R	525	111-5691-91	1/4W 5.6Ω	ŀ	R 7	01	117-1031-10	1/10W 10kΩ
R 30	2 117-3331-10	1/10W 33kΩ	R	526	111-5691-91	1/4W 5.6Ω	1	R 7	)2	111-3331-91	1/4W 33kΩ
R 30	3 117-1031-10	1/10W 10kΩ	R	527	111-5691-91	1/4W 5.6Ω	1	R 7	03	111-3331-91	1/4W 33kΩ
R 40	1 117-1031-10	1/10W 10kΩ	R	528	111-1031-91	1/4W 10kΩ	ŀ	R 7	)4	111-3331-91	1/4W 33kΩ
R 40	2 117-1031-10	1/10W 10kΩ	R	529	111-2221-91	1/4W 2.2kΩ	F	R 7	)5	111-3331-91	1/4W 33kΩ
R 40	3 117-1021-10	1/10W 1kΩ	R	530	117-1031-10	1/10W 10kΩ	F	R 7	96	117-1031-10	1/10W 10kΩ
R 40	4 117-1021-10	1/10W 1kΩ	R	531	111-2221-91	1/4W 2.2kΩ	15	S 1	)1	060-0122-10	
R 40	6 117-1031-10	1/10W 10kΩ	R	532	111-1031-91	1/4W 10kΩ	17	Γ		092-9000-00	ANT
R 40	7 117-1231-10	1/10W 12kΩ	R	533	111-4721-91	1/4W 4.7kΩ	1	X 2	)1	061-1064-00	4.50MHz
R 40	9 111-2211-91	1/4W 220Ω	R	534	111-1021-91	1/4W 1kΩ	1	X 3	)1	016-3013-00	4.33MHz
R 41	0 117-3331-10	1/10W 33kΩ	R	535	117-8221-10	1/10W 8.2kΩ	Ī				
R 41	1 117-3321-10	1/10W 3.3kΩ	R	536	117-2231-10	1/10W 22kΩ	1				
R 41	2 111-1031-91	1/4W 10kΩ	R	601	117-3331-10	1/10W 33kΩ	l				
R 41	3 117-2231-10	1/10W 22kΩ	R	602	117-3331-10	1/10W 33kΩ	1				
R 41	4 117-3331-10	1/10W 33kΩ	R	603	117-8201-10	1/10W 82Ω					
R 41	5 117-1031-10	1/10W 10kΩ	R	604	117-1241-10	1/10W 120kΩ					
R 50	1 117-1031-10	1/10W 10kΩ	R	- 1	117-4721-10	1/10W 4.7kΩ					
R 50	2 111-1021-91	1/4W 1kΩ	R		117-4721-10	1/10W 4.7kΩ					
R 50	5 117-1531-10	1/10W 15kΩ	R	609	117-1241-10	1/10W 120kΩ	L				

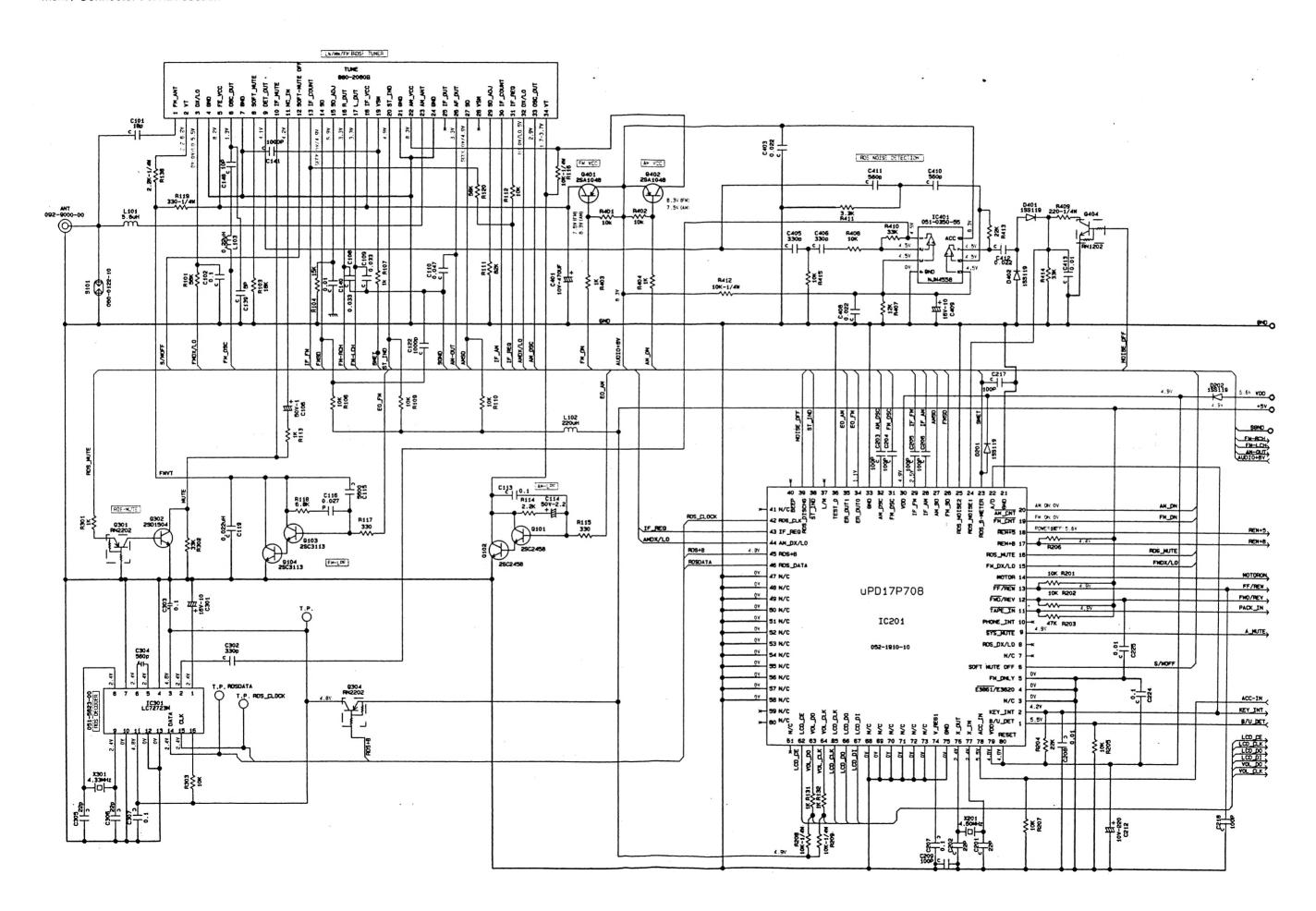
### Switch PWB Section (B2)

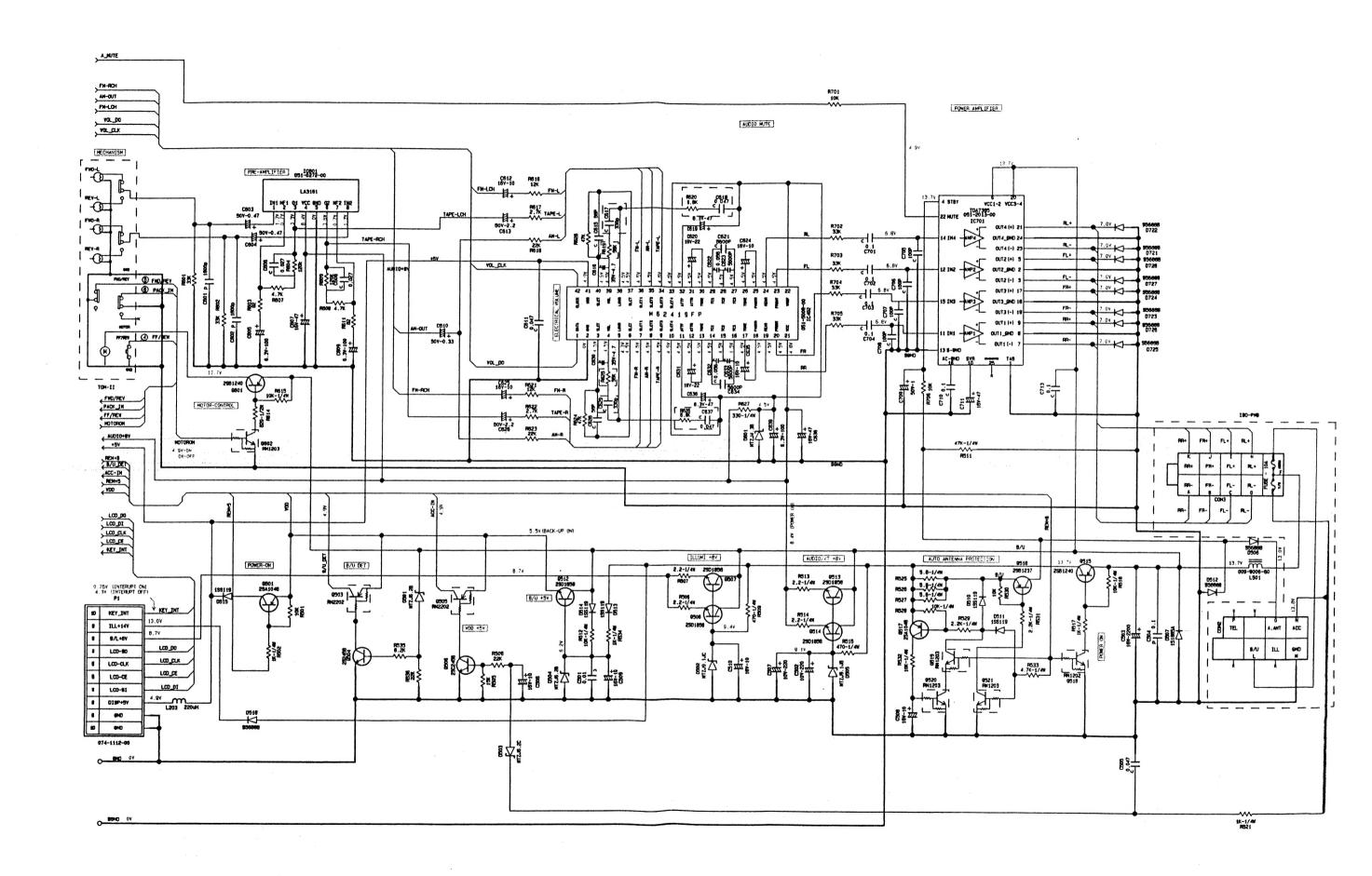
REF No.	PART No.	DESCRIPTION	RE	F No.	PART No.	DESCRIPTION	F	REF No.	PART No.	DESCRIPTION
C 1	178-1822-05	1800µF	R	2	117-2221-10	1/10W 2.2kΩ	S	8	013-6002-50	
C 2	178-4732-05	0.047µF	R	3	117-2221-10	1/10W 2.2kΩ	S	9	013-6002-50	
C 3	178-4732-05	0.047µF	R	4	117-3921-10	1/10W 3.9kΩ	S	10	013-6002-50	
C 4	178-4732-05	0.047µF	R	5	117-1241-10	1/10W 120kΩ	s	11	013-6002-50	
IC 1	051-6013-00	LC75854W	R	6	117-2221-10	1/10W 2.2kΩ	S	12	013-6002-50	
DCP1	076-0522-00	PLUG	R	7	117-1031-10	1/10W 10kΩ	s	13	013-6002-50	
PL 1	017-0410-00	14V40mA	R	8	117-6831-10	1/10W 68kΩ	S	14	013-6002-50	
PL 2	017-0410-00	14V40mA	s	1	013-6002-50		S	15	013-6002-50	
PL 3	017-0410-00	14V40mA	s	2	013-6002-50		S	RSW1	016-9900-63	
PL 5	017-0441-00	9V85mA	s	4	013-6002-50					
PL 6	017-0441-00	9V85mA	s	5	013-6002-50					
R 1	117-2221-10	1/10W 2.2kΩ	s	6	013-6002-50		L			

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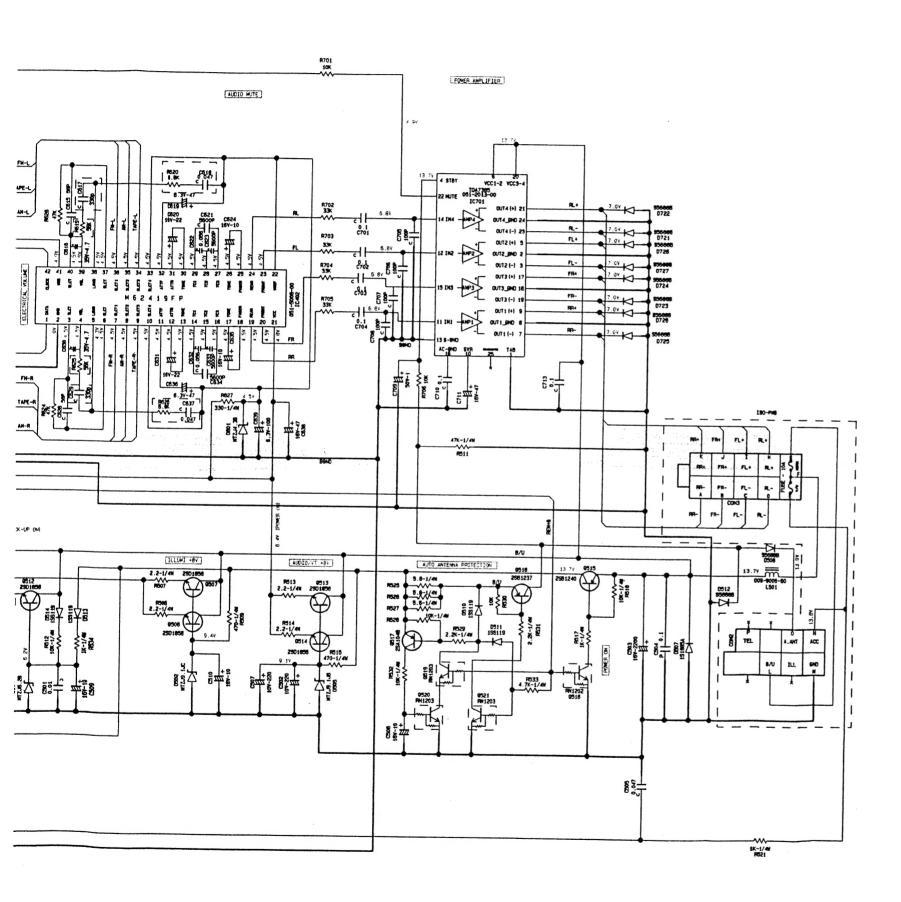


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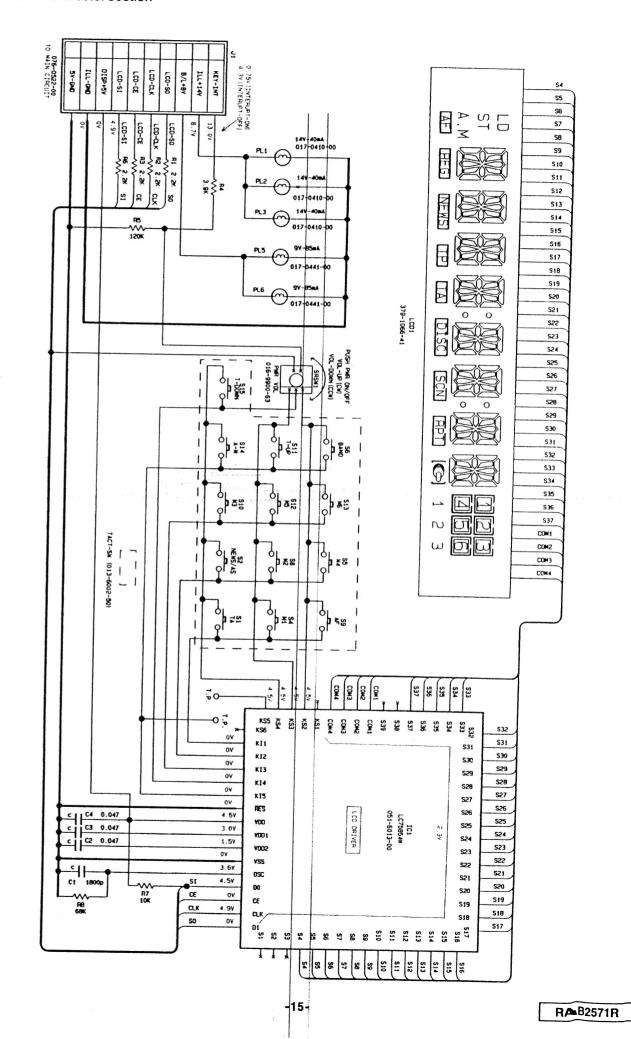
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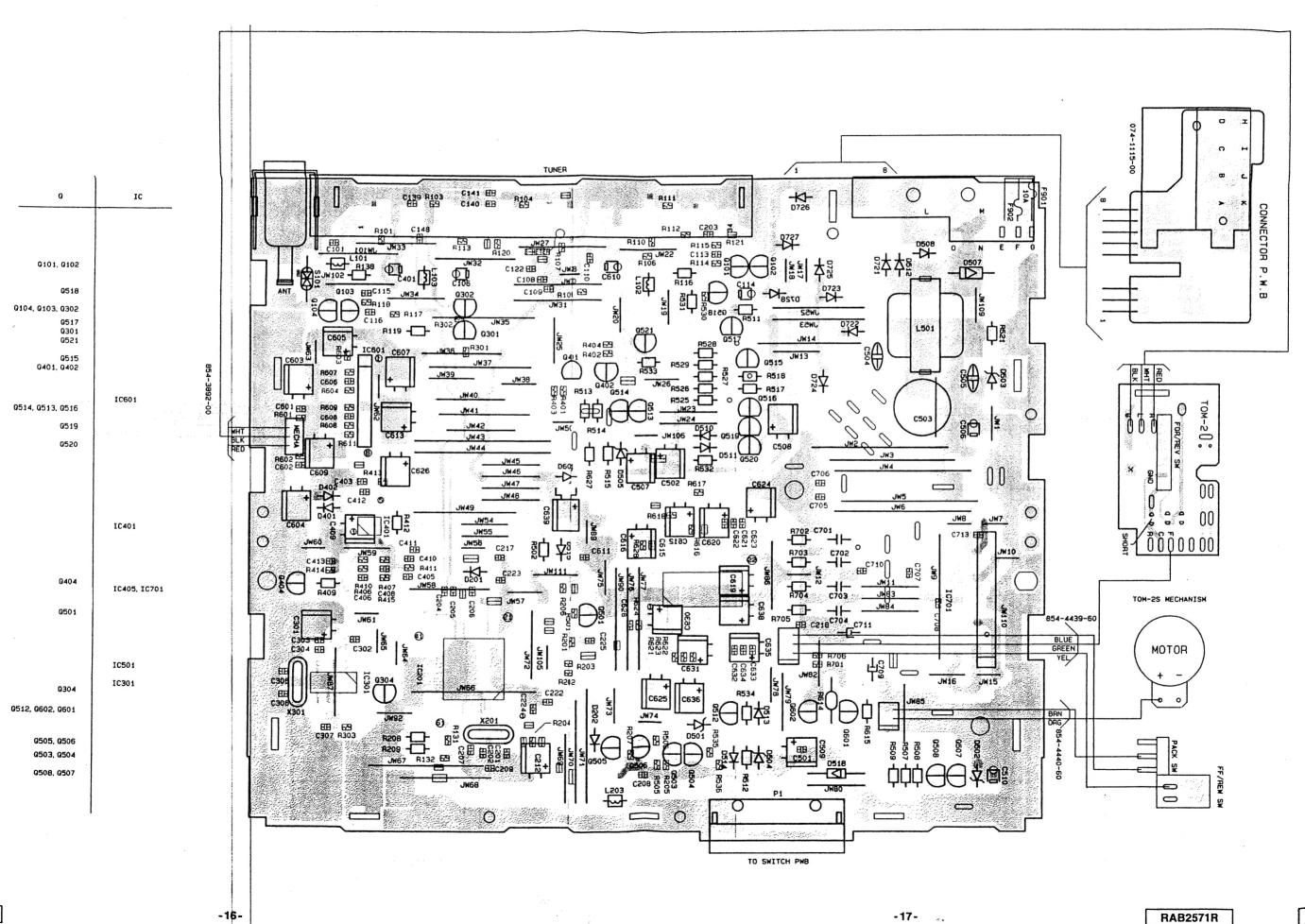
### **■ CIRCUIT DIAGRAM**

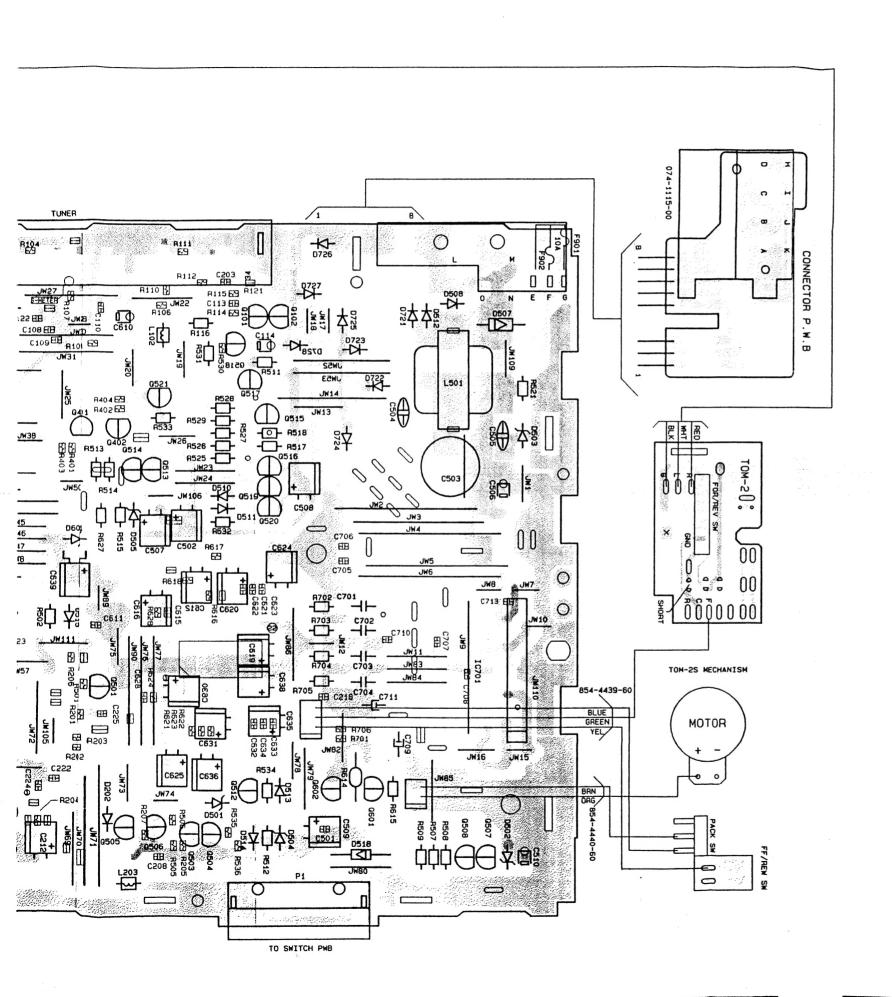
Main/Connector section

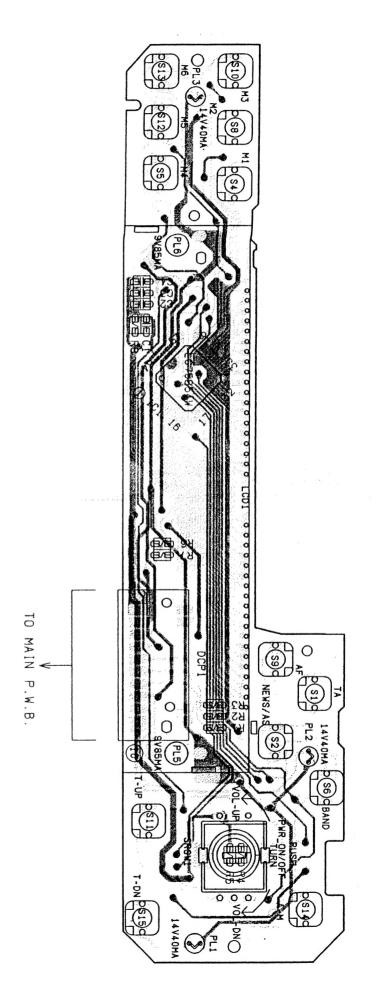


### **■** EXPLODED VIEW • PART LIST

Main Section







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